

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

70. (New) A polyester chip comprising a coating formed substantially on the exterior of the chip, the chip coating comprising an effective barrier amount of the substituted cyclodextrin compound, the cyclodextrin having a degree of substitution of about 0.3 to 1.8; wherein the substituted cyclodextrin is substantially free of a compound in the central pore of the cyclodextrin ring and the cyclodextrin is present in an effective amount to complex catalyst residue.

71. (New) The chip of claim 70 wherein the polyester comprises at least 60% by weight polyethylene terephthalate units and up to 40 % by weight other polymers.

72. (New) The chip of claim 70 wherein the polyester comprises at least 60 % by weight polyethylene naphthalate units and up to 40 % by weight other polymers.

73. (New) The chip of claim 70 wherein the polyester comprises a copolymer of polyethylene terephthalate/isophthalate and the cyclodextrin is a non-reducing carbohydrate.

74. (New) The chip of claim 70 wherein the cyclodextrin compound has a substituent substantially on at least one -OH group at the -6 position of the glucose moiety in the cyclodextrin

75. (New) The chip of claim 74 wherein the cyclodextrin compound comprises a 6-O-Methyl ether.

76. (New) The chip of claim 74 wherein the cyclodextrin compound comprises a 6-O Acetyl ester.

77. (New) The chip of claim 70 wherein the substituted cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 and is present in an amount of about 100 parts by weight to 1400 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.

78. (New) The chip of claim 70 wherein the substituted cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 and is present in an amount of about 350 parts by weight to about 900 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.

79. (New) A method of manufacturing a barrier material comprising the steps of:

(a) combining a polymer and an effective barrier amount of a modified polymer, the modified polymer comprising a cyclodextrin bonded to a backbone of the polymer through an acid or anhydride residue or to a carbon in a pendent group through an acid or anhydride residue; wherein the cyclodextrin compound is substantially free of the compound in central core of the cyclodextrin ring; and

(b) extruding the polymer and modified polymer to form a barrier composition comprising about 0.01 to 10 wt% of the modified polymer.

80. (New) The method of claim 79 wherein the polymer is a polyester.

81. (New) The method of claim 79 wherein the polyester comprises at least 60 % by weight polyethylene terephthalate units and up to 40 % by weight other polymers.

82. (New) The method of claim 79 wherein the polyester comprises at least 60 % by weight polyethylene naphthalate units and up to 40 % by weight other polymers.

83. (New) The method of claim 79 wherein the polyester comprises a copolymer of polyethylene terephthalate/isophthalate and the cyclodextrin is a non-reducing carbohydrate.

84. (New) The method of claim 79 wherein the cyclodextrin compound has a substituent substantially on at least one -OH group at the -6 position of the glucose moiety in the cyclodextrin.

85. (New) The method of claim 84 wherein the cyclodextrin compound comprises a 6-O-Methyl ether.

86. (New) The method of claim 84 wherein the cyclodextrin compound comprises a 6-O Acetyl ester.

87. (New) The method of claim 79 wherein the substituted cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 and is present in an amount of about 100 parts by weight to 1400 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.

88. (New) The method of claim 79 wherein the substituted cyclodextrin compound comprises a degree of substitution of about 0.5 to 1.2 and is present in an amount of about 350 parts by weight to about 900 parts by weight of the cyclodextrin compound per each one million parts of polyester resin.